

tesa® 4959

Double-sided non-woven tape

tesa® 4959 is a double-sided mounting and splicing tape equipped with a non-woven backing and coated with an acrylic adhesive of high tack and good shear strength. It is UV and ageing resistant and largely resistant to plasticisers.

Main Application

- Mounting of signs, covers and nameplates
- Mounting of door linings in the car industry
- Mounting of plastic bags, despatch bags, continuous stationery, posters etc.
- Splicing of paper and film webs

Technical Data

▪ Backing material	non-woven	▪ Tensile strength	8 N/cm
▪ Color	translucent	▪ Type of liner	glassine
▪ Total thickness	100 µm	▪ Colour of liner	brown
▪ Type of adhesive	tackified acrylic	▪ Thickness of liner	71 µm
▪ Elongation at break	3 %		

Adhesion to

▪ Steel (initial)	8.0 N/cm	▪ Steel (after 14 days)	8.5 N/cm
▪ ABS (initial)	7.5 N/cm	▪ ABS (after 14 days)	9.0 N/cm
▪ Aluminium (initial)	7.5 N/cm	▪ Aluminium (after 14 days)	8.0 N/cm
▪ PC (initial)	9.5 N/cm	▪ PC (after 14 days)	14.0 N/cm
▪ PE (initial)	4.0 N/cm	▪ PE (after 14 days)	4.5 N/cm
▪ PET (initial)	7.0 N/cm	▪ PET (after 14 days)	7.5 N/cm
▪ PP (initial)	5.5 N/cm	▪ PP (after 14 days)	6.5 N/cm
▪ PS (initial)	8.5 N/cm	▪ PS (after 14 days)	9.0 N/cm
▪ PVC (initial)	6.5 N/cm	▪ PVC (after 14 days)	14.0 N/cm

Properties

▪ Temperature resistance short term	200 °C	▪ Resistance to chemicals	● ● ●
▪ Temperature resistance long term	80 °C	▪ Softener resistance	● ●
▪ Tack	● ● ● ●	▪ Static shear resistance at 23°C	● ● ●
▪ Ageing resistance (UV)	● ● ● ●	▪ Static shear resistance at 40°C	● ●
▪ Humidity resistance	● ● ●		

Evaluation across relevant tesa® assortment: ● ● ● ● very good ● ● ● good ● ● medium ● low

For latest information on this product please visit <http://l.tesa.com/?ip=04959>

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Additional Information

Liner variants:

PV0 brown and white glassine paper (71 µm)

PV6 red MOPP-film (80 µm)

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